CUBIT Capability Proposal

Technical Area Geometry, Meshing, Infrastructure, GUI, Graphics, etc..	**Technical Lead** Cubit Developer in charge of technical area
GUI	Randy Morris / Mark Richardson

MRD Description
Describe the capability in terms of how a user would see it.

Move to Qt 4.1 (from Qt 3.5)

SRS Description
What needs to be done by Cubit developers to implement this capability? Break the tasks into steps if applicable. (Steps should be on the order of 2 man-weeks or more)

1. Reimplement the GUI using Qt 4.1

Justification
Describe why this is important and what impact it will have if it is implemented. (or not implemented).

TrollTech, the makers of Qt, have moved their supported code base to 4.x. In time, they will cease support for all older versions. We've jumped onto the Qt train and we should stay with it. Qt 4.x includes some fundamental differences when compared to 3.x. The user will not perceive a difference, other than some better behavior due to bug fixes and such. Mac support is greatly improved compared to current support.

Resources Who will work on this	**Time estimate** How much time will it take in man-weeks	**Targeted Release** 10.2 (August 06), 10.3 (March 2007), 10.4 (August 2007), Future (beyond FY07)
Randy Morris **Mark Richardson**	10-14 man weeks.	10.2

Submitted By:	**Date:**
Randy Morris	3/17/06